AMENDMENTS TO THE CLAIMS

Applicant respectfully requests that all previous versions of the claims be replaced with the following:

- 1. (Currently Amended) A linear actuator comprising:
 - a shaft having a male thread portion;
- a worm gear speed reducer for reducing rotation of a motor in speed and transmitting the rotation to the shaft;
- a female thread member which is threadedly engaged with the male thread portion and which moves forward and backward by normal or reverse rotation of the shaft;
- a moving cylinder which is fixed to the female thread member and which moves forward and backward with respect to a housing; and
- a position detection apparatus which is disposed in parallel to the shaft; and

means for adjustably mounting the position detection apparatus to the housing, whereby the position detection apparatus is movable in a direction of the moving cylinder and allows detection of a position of the moving cylinder in the housing to be adjusted.

2. (Currently amended) The linear actuator according to claim 1, wherein the position detection apparatus comprises a potentiosensor which converts the rotation amount of the shaft into a voltage value, and the position detection apparatus is movably provided on the housing.

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3. (Previously presented) The linear actuator according to claim 2, wherein a driven gear is mounted on a sensor shaft of the potentiosensor, the driven gear is meshed with a pinion which rotates in unison with the shaft, and the potentiosensor can move in an axial direction of the moving cylinder.

4. (Currently amended) The linear actuator according to claim [[3]]5, wherein the position detection apparatus comprises a potentiosensor which converts the rotation amount of the shaft into a voltage value, and the potentiosensor can slide in [[the]]an axial direction of the moving cylinder.

5. (Currently Amended) A linear actuator comprising:

a shaft having a male thread portion;

a worm gear speed reducer for reducing rotation of a motor in speed and transmitting the rotation to the shaft;

a female thread member which is threadedly engaged with the male thread portion and which moves forward and backward by normal or reverse rotation of the shaft;

a moving cylinder which is fixed to the female thread member and which moves forward and backward with respect to a housing; and

a position detection apparatus which [[in]] is disposed in parallel to the shaft and detects a position of the moving cylinder,

wherein the mounting of the position detection apparatus <u>includes</u>
a guide pin slidably mated with a guide groove formed in the housing, and
allows the position of the moving cylinder <u>in the housing</u> detected by the

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position detection apparatus [[to]] can be adjusted in a direction of the moving cylinder in the housing.